

Powerbuilt 648659

Powerbuilt Spider Oil Filter Wrench (Model 648659) Instruction Manual

1. INTRODUCTION

This manual provides essential instructions for the safe and effective use of your Powerbuilt Spider Oil Filter Wrench, Model 648659. This tool is designed for the removal of automotive oil filters within a specified diameter range. Please read this manual thoroughly before operation and retain it for future reference.

2. SAFETY INFORMATION

Always observe the following safety precautions to prevent injury or damage to the tool and vehicle:

- Wear appropriate personal protective equipment, including safety glasses and gloves, during operation.
- Ensure the vehicle is stable and properly supported before working underneath it.
- Do not use the wrench on hot engine components. Allow the engine and oil filter to cool down.
- Verify the oil filter wrench is correctly seated and gripping the filter before applying torque.
- Do not use excessive force. If the filter is seized, consider alternative removal methods or professional assistance.
- Keep hands and clothing clear of moving parts and rotating tools.
- The vinyl tip guards are for protection during storage and handling. For maximum grip during filter removal, these tips should be removed.

3. PRODUCT OVERVIEW AND COMPONENTS

The Powerbuilt Spider Oil Filter Wrench features an auto-adjusting 3-jaw design for versatile application. Key components include:

- **Auto-Adjusting Jaws:** Three spiral-clamping jaws that automatically adapt to filter sizes.

- **3/8-Inch Square Drive:** Integrated drive for attachment to a ratchet, extension, or breaker bar.
- **Heavy-Duty Steel Construction:** Durable metal body and jaws for reliable performance.
- **Protective Sleeves (Removable):** Red vinyl tips on the jaws, intended for product protection.



Image 1: The Powerbuilt Spider Oil Filter Wrench, showcasing its three-jaw design and 3/8-inch drive.

PROTECTIVE SLEEVE



Image 2: Close-up view of the wrench jaws, highlighting the red protective sleeves on each jaw tip.

4. SETUP

Before using the oil filter wrench, ensure proper setup:

1. **Inspect the Tool:** Check the wrench for any signs of damage or wear. Do not use if damaged.
2. **Remove Protective Sleeves:** For optimal grip, remove the red vinyl protective sleeves from the jaws before use. These are designed for product protection during shipping and storage, not for operation.
3. **Attach Drive Tool:** Insert a 3/8-inch square drive ratchet, extension bar, or breaker bar into the square drive opening on the top of the wrench.

5. OPERATING INSTRUCTIONS

Follow these steps to remove an oil filter using the Powerbuilt Spider Oil Filter Wrench:

1. **Position the Wrench:** Place the wrench over the end of the oil filter. The three jaws will automatically adjust and grip the filter as torque is applied.
2. **Ensure Secure Grip:** Confirm that the jaws are firmly seated around the filter. The design allows the jaws to tighten their grip as the drive tool is turned counter-clockwise.

3. **Apply Torque:** Using the attached ratchet or extension, turn the wrench counter-clockwise to loosen the oil filter.
4. **Remove Filter:** Once loosened, the filter can typically be unscrewed by hand. Be prepared for oil spillage.



Image 3: Illustration showing the auto-adjusting mechanism of the wrench and its compatibility with oil filters ranging from 2-1/2 inches to 3-7/8 inches (63.5mm - 98.4mm) in diameter.



Image 4: The Powerbuilt Spider Oil Filter Wrench attached to a ratchet, actively gripping and loosening an oil filter.

6. MAINTENANCE

Proper maintenance ensures the longevity and performance of your tool:

- **Cleaning:** After each use, wipe the wrench clean of oil and debris.
- **Lubrication:** Periodically apply a light coat of oil to the pivot points of the jaws to ensure smooth operation.
- **Storage:** Store the wrench in a dry place to prevent rust. Re-attach the protective vinyl sleeves for storage if desired.
- **Inspection:** Regularly inspect the jaws and drive mechanism for wear, cracks, or damage. Replace the tool if any significant damage is observed.

7. TROUBLESHOOTING

If you encounter issues during operation, consider the following:

- **Wrench Slips on Filter:**

- Ensure the red vinyl protective sleeves have been removed from the jaws. These sleeves reduce grip.
 - Verify the filter diameter is within the tool's specified range (2-1/2" to 3-7/8").
 - Ensure the wrench is fully seated on the filter before applying torque.
- **Filter Will Not Loosen:**
 - The filter may be overtightened or seized. Apply steady, increasing pressure. Avoid sudden jerking motions.
 - Consider using a longer breaker bar for increased leverage, if safe to do so.
 - If the filter remains stuck, professional assistance may be required to avoid damaging the engine.

8. SPECIFICATIONS

Model Number	648659
Brand	Powerbuilt
Filter Diameter Range	2-1/2 inches to 3-7/8 inches (63.5 mm to 98.4 mm)
Drive Size	3/8 inch square drive
Material	Alloy Steel
Product Dimensions	2.88 x 3 x 4.38 inches
Item Weight	0.51 Pounds (8.16 ounces)

9. WARRANTY AND SUPPORT

For warranty information or technical support regarding your Powerbuilt Spider Oil Filter Wrench, please refer to the official Powerbuilt website or contact their customer service department. Keep your purchase receipt for warranty claims.

Manufacturer: All Trade Tools

Date First Available: January 22, 2011